

10/022366
STN Search Summary

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FILE 'REGISTRY' ENTERED AT 13:22:49 ON 26 JAN 2005
L3 1 S (AMP DEAMINASE)/CN

FILE 'CAPLUS' ENTERED AT 13:23:53 ON 26 JAN 2005
L4 1416 S L3
L5 7 S L4 AND CRYSTAL
L6 23 S L4 AND CRYSTAL?
L7 16 S L6 NOT L5
L8 2 S L4 AND (XRAY OR DIFFRACTION)
L9 2 S L8 NOT L5
L10 0 S L4 AND XTAL

FILE 'REGISTRY' ENTERED AT 13:34:49 ON 26 JAN 2005
L3 1 S (AMP DEAMINASE)/CN

FILE 'CAPLUS' ENTERED AT 13:35:14 ON 26 JAN 2005
L4 1416 S L3
L5 165 S L4 AND (RABBIT OR ORYCTOLAGUS OR CUNICULUS)
L6 1 S L4 AND (ORYCTOLAGUS OR CUNICULUS)
L7 39 S L5 AND PURIF?
L9 5239 S (PROTEIN PURIFICATION)
L10 0 S L5 AND L9
L11 1861 S (PROTEIN ISOLATION)
L12 0 S L11 AND L5
L13 14 S L4 (P) RABBIT

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 9025-10-9 REGISTRY

CN Deaminase, adenylylate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 5'-Adenylylate deaminase
CN 5'-Adenylic acid deaminase
CN 5'-AMP aminohydrolase
CN 5'-AMP deaminase
CN Adenosine 5'-monophosphate deaminase
CN Adenosine 5'-phosphate aminohydrolase
CN Adenosine 5'-phosphate deaminase
CN Adenosine monophosphate deaminase
CN Adenyl deaminase
CN Adenylylate aminohydrolase
CN Adenylylate deaminase
CN Adenylylate desaminase
CN Adenylic acid deaminase
CN Adenylic deaminase
CN AMP aminohydrolase
CN AMP deaminase
CN Deamizyme
CN Deamizyme 50000
CN E.C. 3.5.4.6
MF Unspecified
CI MAN

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:355085 CAPLUS
 TI Human tissue-specific housekeeping genes identified by expression profiling
 IN Aburatani, Hiroyuki; Yamamoto, Shogo

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035785	A1	20040429	WO 2002-JP10753	20021016
	US 2004229233	A1	20041118	US 2003-684422	20031015
PRAI	US 2002-418614P	P	20021016		
	WO 2002-JP10753	W	20021016		

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:464048 CAPLUS
 TI Crystal structure and sequence of rabbit AMP deaminase and use for drug design
 IN Bazin, Richard J.; McDonald, Graeme A.; Phillips, Christopher

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1215587	A2	20020619	EP 2001-309996	20011129
	EP 1215587	A3	20020814		
	GB 2373504	A1	20020925	GB 2001-28661	20011129
	GB 2373504	B2	20031022		
	JP 2003052382	A2	20030225	JP 2001-371620	20011205
	CA 2363575	AA	20020613	CA 2001-2363575	20011211
	US 2004050316	A1	20040318	US 2001-22366	20011213
PRAI	GB 2000-30424	A	20001213		
	US 2001-260627P	P	20010110		

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1993:512039 CAPLUS
 TI Catalytic mechanism of yeast adenosine 5'-monophosphate deaminase. Zinc content, substrate specificity, pH studies, and solvent isotope effects
 AU Merkle, David J.; Schramm, Vern L.
 SO Biochemistry (1993), 32(22), 5792-9

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1981:419870 CAPLUS
 TI Comparison of the solid state and solution conformations of R and S epimers of 8,5'-cycloadenosine and their relevance to some enzymic reactions
 AU Birnbaum, George I.; Cygler, Mirosław; Dudycz, Lech; Stolarski, Ryszard; Shugar, David
 SO Biochemistry (1981), 20(11), 3294-301

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1961:39369 CAPLUS
 TI Organic phosphates in muscle of aquatic animals. VIII. Preparation of inosinic acid from squid (*Ommastrephes sloani pacificus*) muscle
 AU Saito, Tsuneyuki; Matsuyoshi, Minoru; Arai, Kenichi; Ito, Yasuzo
 SO Nippon Suisan Gakkaishi (1960), 26, 317-20

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1957:99642 CAPLUS
 TI 5'-Adenylic acid deaminase. I. Isolation of the crystalline enzyme from rabbit skeletal muscle
 AU Lee, Ya-Pin
 SO Journal of Biological Chemistry (1957), 227, 987-92

L7 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2005:60759 CAPLUS
 TI Gene expression profiles and biomarkers for the detection of lung
 disease-related and other disease-related gene transcripts in blood
 IN Liew, Choong-Chin
 PA Chondrogene Limited, Can.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004241728	A1	20041202	US 2004-812764	20040330
	US 2004014059	A1	20040122	US 2002-268730	20021009
	US 2004248169	A1	20041209	US 2004-812737	20040330
	US 2004265869	A1	20041230	US 2004-812716	20040330
	WO 2004112589	A2	20041229	WO 2004-US20836	20040621
PRAI	US 1999-115125P	P	19990106		
	US 2000-477148	B1	20000104		
	US 2002-268730	A2	20021009		
	US 2003-601518	A2	20030620		
	US 2004-802875	A2	20040312		
	US 2001-271955P	P	20010228		
	US 2001-275017P	P	20010312		
	US 2001-305340P	P	20010713		
	US 2002-85783	A2	20020228		
	US 2004-809675	A	20040325		

L7 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:838610 CAPLUS
 TI DNA microarray analysis of gene expression in the diagnosis of estrogen
 receptor positive- and negative-breast cancer
 IN Erlander, Mark G.; Ma, Xiao-Jun; Wang, Wei; Wittliff, James L.
 PA Arcturus Bioscience, Inc., USA

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004079014	A2	20040916	WO 2002-XA2004006736	20040304
	WO 2004079014	A2	20040916	WO 2004-US6736	20040304
PRAI	US 2003-451942P	P	20030304		
	WO 2004-US6736	A	20040304		

L7 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:937303 CAPLUS
 TI Endocrine disruptor screening using DNA chips of endocrine
 disruptor-responsive genes
 IN Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi; Tsujimoto,
 Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002355079	A2	20021210	JP 2002-69354	20020313
PRAI	JP 2001-73183	A	20010314		
	JP 2001-74993	A	20010315		
	JP 2001-102519	A	20010330		

L7 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:851417 CAPLUS
 TI Tumor necrosis factor (TNF) and interferon (IFN) upregulated gene expression and uses thereof in drug screening
 IN Wong, Grace

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2001088180	A2	20011122	WO 2001-US15402	20010511
	WO 2001088180	A3	20021205		
	US 2002164299	A1	20021107	US 2001-854432	20010511
	EP 1287156	A2	20030305	EP 2001-937342	20010511
PRAI	US 2000-203624P	P	20000512		
	WO 2001-US15402	W	20010511		

L7 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:763235 CAPLUS
 TI Detection of variations in the DNA methylation profile of genes in the determining the risk of disease
 IN Berlin, Kurt; Piepenbrock, Christian; Olek, Alexander

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2001077373	A2	20011018	WO 2001-DE1486	20010406
	DE 10019058	A1	20011220	DE 2000-10019058	20000406
	WO 2001077373	A2	20011018	WO 2001-XA1486	20010406
	WO 2001077373	A2	20011018	WO 2001-XB1486	20010406
	EP 1274865	A2	20030115	EP 2001-953936	20010406
	EP 1278892	A1	20030129	EP 2001-940158	20010406
	JP 2003531589	T2	20031028	JP 2001-575634	20010406
	EP 1360319	A2	20031112	EP 2001-955278	20010406
	US 2004067491	A1	20040408	US 2003-240454	20030311
	US 2003162194	A1	20030828	US 2003-240452	20030414
	JP 2004008217	A2	20040115	JP 2003-160375	20030605
	US 2004023279	A1	20040205	US 2003-455212	20030605
PRAI	DE 2000-10019058	A	20000406		
	DE 2000-10019173	A	20000407		
	DE 2000-10032529	A	20000630		
	DE 2000-10043826	A	20000901		
	WO 2001-DE1486	W	20010406		
	WO 2001-EP3969	W	20010406		
	WO 2001-EP4016	W	20010406		
	EP 2002-90203	A	20020605		

L7 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1999:795994 CAPLUS
 TI Gene probes used for genetic profiling in healthcare screening and planning
 IN Roberts, Gareth Wyn

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 9964627	A2	19991216	WO 1999-GB1780	19990604
PRAI	GB 1998-12099	A	19980606		
	GB 1998-13291	A	19980620		
	GB 1998-13611	A	19980624		
	GB 1998-13835	A	19980627		
	GB 1998-14110	A	19980701		
	GB 1998-14580	A	19980707		
	GB 1998-15438	A	19980716		
	GB 1998-15574	A	19980718		

GB 1998-15576	A	19980718
GB 1998-16085	A	19980724
GB 1998-16086	A	19980724
GB 1998-16921	A	19980805
GB 1998-17097	A	19980807
GB 1998-17200	A	19980808
GB 1998-17632	A	19980814
GB 1998-17943	A	19980819

L7 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1987:514192 CAPLUS
 TI Production of 5'-nucleotides by enzymic process
 AU Su, Yuan Chi; Sheu, Ching Sen
 SO Guoli Taiwan Daxue Nongxueyuan Yanjiu Baogao (1986), 26(1), 105-18
 LA Chinese

L7 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1985:111462 CAPLUS
 TI Guanosine derivatives

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59156297	A2	19840905	JP 1983-22927	19830216
	JP 63037635	B4	19880726		
PRAI	JP 1983-22927		19830216		

L7 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1973:450229 CAPLUS
 TI Synthesis of 6'-cyano-6'-deoxyhomoadenosine-6'-phosphonic acid and its phosphoryl and pyrophosphoryl anhydrides and studies of their interactions with adenine nucleotide utilizing enzymes
 AU Hampton, Alexander; Sasaki, Takuma; Paul, B.
 SO Journal of the American Chemical Society (1973), 95(13), 4404-14

L7 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1970:484161 CAPLUS
 TI Binding of guanosine triphosphate and adenosine triphosphate by rabbit muscle adenosine monophosphate deaminase
 AU Tomozawa, Yasuko; Wolfenden, Richard V.
 SO Biochemistry (1970), 9(17), 3400-4

L7 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1967:400321 CAPLUS
 TI Univalent cations as allosteric activators of muscle adenosine-5'-phosphate deaminase
 AU Smiley, K. L., Jr.; Suelter, Clarence H.
 SO Journal of Biological Chemistry (1967), 242(8), 1980-1

L7 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1967:112395 CAPLUS
 TI An improved purification, crystallization, and some properties of rabbit muscle 5'-adenylic acid deaminase
 AU Smiley, K. L., Jr.; Berry, Arnold J.; Suelter, Clarence H.
 SO Journal of Biological Chemistry (1967), 242(10), 2502-6

L7 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1967:72620 CAPLUS
 TI Colorimetric micromethod for determination of some deaminase activities
 AU Giusti, Giuseppe; Galanti, Bruno
 SO Bollettino - Societa Italiana di Biologia Sperimentale (1966), 42(19),
 1312-16
 LA Italian

✓ L7 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1957:99643 CAPLUS
 TI 5'-Adenylic acid deaminase. II. Homogeneity and physicochemical properties
 AU Lee, Ya-Pin
 SO J. Biol. Chem. (1957), 227, 993-8

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1982:594870 CAPLUS
 TI Structural studies of isolated native thick filaments from rabbit psoas
 muscle with AMP deaminase decoration
 AU Koretz, Jane F.
 SO Proceedings of the National Academy of Sciences of the United States of
 America (1982), 79(20), 6205-9

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1981:116297 CAPLUS
 TI Adenylate deaminase binding to synthetic thick filaments of myosin
 AU Koretz, Jane F.; Frieden, Carl
 SO Proceedings of the National Academy of Sciences of the United States of
 America (1980), 77(12), 7186-8

L13 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:866768 CAPLUS
 TI A calpain-like proteolytic activity produces the limited cleavage at the
 N-terminal regulatory domain of rabbit skeletal muscle AMP deaminase:
 evidence of a protective molecular mechanism
 AU Martini, D.; Montali, U.; Ranieri-Raggi, M.; Sabbatini, A. R. M.; Thorpe,
 S. J.; Moir, A. J. G.; Raggi, A.
 SO Biochimica et Biophysica Acta (2004), 1702(2), 191-198

L13 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2003:31601 CAPLUS
 TI Isolation by zinc-affinity chromatography of the histidine-proline-rich-
 glycoprotein molecule associated with rabbit skeletal muscle AMP
 deaminase. Evidence that the formation of a protein-protein complex
 between the catalytic subunit and the novel component is critical for the
 stability of the enzyme
 AU Ranieri-Raggi, Maria; Martini, Daniela; Sabbatini, Antonietta R. M.; Moir,
 Arthur J. G.; Raggi, Antonio
 SO Biochimica et Biophysica Acta (2003), 1645(1), 81-88

L13 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:464048 CAPLUS
TI Crystal structure and sequence of rabbit AMP deaminase and use for drug design

IN Bazin, Richard J.; McDonald, Graeme A.; Phillips, Christopher
PATENT NO. KIND DATE APPLICATION NO. DATE

PI EP 1215587 A2 20020619 EP 2001-309996 20011129
EP 1215587 A3 20020814
GB 2373504 A1 20020925 GB 2001-28661 20011129
GB 2373504 B2 20031022
JP 2003052382 A2 20030225 JP 2001-371620 20011205
CA 2363575 AA 20020613 CA 2001-2363575 20011211
US 2004050316 A1 20040318 US 2001-22366 20011213
PRAI GB 2000-30424 A 20001213
US 2001-260627P P 20010110

L13 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:246122 CAPLUS
TI AMP-deaminases from chicken and rabbit muscle: partial primary sequences of homologous 17-kDa CNBr fragments: autorecognition by rabbit anti-[chicken AMPD]
AU Chilson, Oscar P.; Kelly-Chilson, Anne E.; Siegel, Ned R.
SO Comparative Biochemistry and Physiology, B: Biochemistry and Molecular Biology (1997), 116B(3), 371-377

L13 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1995:728091 CAPLUS
TI Regulation of skeletal-muscle AMP deaminase: involvement of histidine residues in the pH-dependent inhibition of the rabbit enzyme by ATP
AU Ranieri-Raggi, Maria; Ronca, Francesca; Sabbatini, Antonietta; Raggi, Antonio
SO Biochemical Journal (1995), 309(3), 845-52

L13 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1984:19697 CAPLUS
TI AMP deaminase isozymes in rabbit red and white muscles and heart
AU Ogasawara, Nobuaki; Goto, Haruko; Yamada, Yasukazu
SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular Biology (1983), 76B(3), 471-3

L13 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1979:2398 CAPLUS
TI Adenylate deaminase: kinetic and binding studies on the rabbit muscle enzyme
AU Ashby, Barrie; Frieden, Carl
SO Journal of Biological Chemistry (1978), 253(24), 8728-35

L13 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1977:478270 CAPLUS
TI Potent inhibition of muscle 5'-AMP deaminase by the nucleoside antibiotics coformycin and deoxycorformycin
AU Agarwal, R. P.; Parks, R. E., Jr.
SO Biochemical Pharmacology (1977), 26(7), 663-6

L13 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1977:102342 CAPLUS
 0 TI Molecular weight and amino acid composition of adenylate deaminase from
 rabbit skeletal muscle
 AU O'Driscoll, D.; Roring, N. P.; Ross, C. A.
 SO Biochemical Society Transactions (1976), 4(5), 928-30

L13 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1975:120856 CAPLUS
 ✓ TI Kinetic studies of rabbit muscle 5'-adenosine monophosphate aminohydrolase
 AU Quenelle, Alan C., Jr.
 SO (1974) 134 pp. Avail.: Xerox Univ. Microfilms, Ann Arbor, Mich., Order
 No. 75-235
 From: Diss. Abstr. Int. B 1975, 35(7), 3217
 DT Dissertation

L13 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1968:449380 CAPLUS
 ✓ TI ATP deaminase. V. A relation between deamination and dechlorination
 activities of ATP deaminase, ADP-deaminating enzyme, and AMP deaminase
 AU Chung, Shiau-Ta; Ito, Shiro; Aida, Ko; Uemura, Teijiro
 SO Journal of General and Applied Microbiology (1968), 14(2), 111-19

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DATE: Wednesday, January 26, 2005

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<input type="checkbox"/>	L11	l10 and crystal	21
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<input type="checkbox"/>	L9	L8 not l7	1
<input type="checkbox"/>	L8	L3 with (crystal with structur\$)	3
<input type="checkbox"/>	L7	L3 with (xray or x-ray or diffraction)	3
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<input type="checkbox"/>	L5	L3 same (crystal or xray or x-ray or diffraction)	202
<input type="checkbox"/>	L4	L3 and (crystal or xray or x-ray or diffraction)	2011
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<input type="checkbox"/>	L2	L1 adj2 (deaminase or aminase)	5412
<input type="checkbox"/>	L1	amp or adenylic or adenylate or adenyl or adenosine	169936

END OF SEARCH HISTORY